



Espacenet

Bibliographic data: EP 0349043 (A2)

Arrangement for approximately determining the equivalent circuit of a circuit element at high frequencies.

Publication date: 1990-01-03
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Classification:
 - **international:** **G01R27/28**; (IPC1-7): G01R27/28
 - **European:** G01R27/28
Application number: EP19890201600 19890619
Priority number(s): DE19883821575 19880625

Also published as:

- EP 0349043 (A3)
- EP 0349043 (B1)
- US 5121063 (A)
- JP 2045770 (A)
- DE 3821575 (A1)

Cited documents: FR2561390 (A1) [View all](#)

Abstract of EP 0349043 (A2)

The invention relates to an arrangement for approximately determining the equivalent circuit of an electrical or electronic component at high frequencies using a measuring device (4), to which the component constituting a two-gate element (59) or single-gate element (1) is connected via connecting elements (2; 57,58,60) and which measures the parameters of the dispersion matrix of the two-gate element over a preselected frequency range or the impedance or reflection factor of the single-gate element with the connecting elements ; Connected to the measuring device (4) is an evaluation circuit (7) which corrects the measurement result by using two-gate parameters of the connecting element or elements determined before the measurement and which for a preselected equivalent circuit of the component calculates values of the equivalent circuit elements from the corrected measurement result by means of an optimisation strategy.